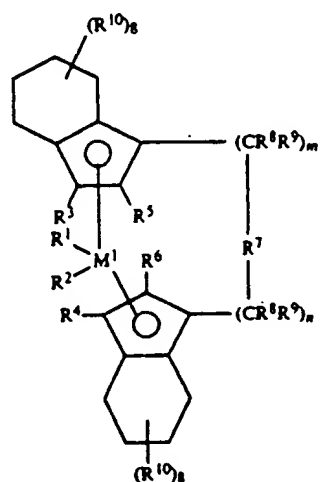


[57]

# ABSTRACT

The novel metallocenes of the formula I



in which, preferably,  $M^1$  is Zr or Hf,  $R^1$  and  $R^2$  are alkyl or halogen,  $R^3$  and  $R^4$  are hydrogen,  $R^5$  and  $R^6$  are alkyl or haloalkyl,  $-(CR^8R^9)_m-R^7-(CR^8R^9)_n-$  is a single- or multi-membered chain in which  $R^7$  may also be a (substituted) hetero atom,  $m+n$  is zero or 1, and  $R^{10}$  is hydrogen, form, together with aluminoxanes as cocatalysts, a very effective catalyst system for the preparation of polyolefins of high stereospecificity and high melting point.

15 Claims, No Drawings

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